MAXPEEDINGRODS
Since 2006

# AIR CONTROLLER KIT
## INSTALLATION GUIDE

**UNIVERSAL FIT FOR ALL MODELS OF PICKUPS, TRUCKS, TRAILERS, SUVS, VANS**



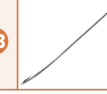
DUAL-PATH WIRELESS AIR SPRING LEVELING ELECTRIC CONTROLLER KIT

# PACKING LIST

## Main parts

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 1 |  | **1 X** Compressor control system assembly | 2 |  | **1 X** Wireless controller | 3 |  | **1 X** Wire harness (6M) |
| 4 |  | **1 X** Air Line φ6*1 (14M) | 5 |  | **1 X** PP flame retardant tube φ8.5*φ11.5 (6M) | 6 |  | **1 X** Air filter |

## Hardware kits

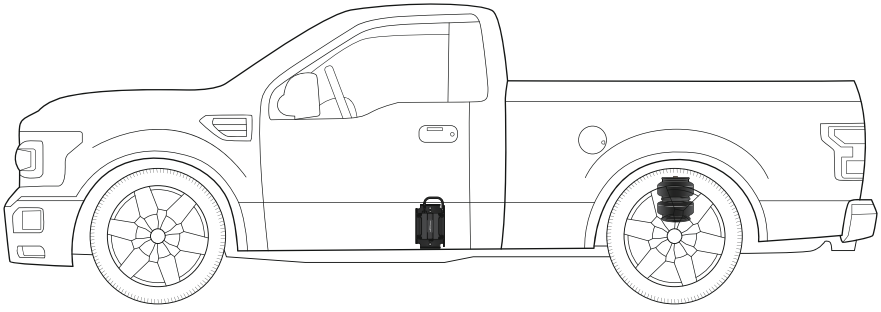
| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 7 |  | **1 X** U bolt 3/8-16*65-226*125 | 8 |  | **3 X** PTC fitting (Stainless) | 9 |  | **2 X** Quick-connect fittings Φ6 |
| 10 |  | **2 X** Self-tapping hex screw M8*1.25*20 | 11 |  | **1 X** Small self-tapping hex screw M6.3*20 | 12 |  | **2 X** Hex bolt 3/8-16UNC*30 |
| 13 |  | **2 X** Nylon lock nut 3/8-16UNC | 14 |  | **4 X** Flat washer M10 | 15 |  | **4 X** Washer M8 |
| 16 |  | **1 X** Female air hose fitting | 17 |  | **1 X** Male air hose fitting | 18 |  | **2 X** Inflation valve |
| 19 |  | **4 X** Fuse adapter | 20 |  | **2 X** Yellow ring terminal (RV5.5-10) | 21 |  | **2 X** Heat shrink butt connector |
| 22 |  | **1 X** Fuse holder | 23 |  | **2 X** Yellow blade fuse (20A) | 24 |  | **2 X** Big red blade fuse (10A) |
| 25 |  | **2 X** Small red blade fuse (10A) | 26 |  | **2 X** Blue blade fuse (15A) | 27 |  | **2 X** Mini red blade fuse (10A) |
| 28 |  | **2 X** Micro red blade fuse (10A) | 29 |  | **1 X** Cross head screw M4*6 | 30 |  | **3 X** Tree clip |
| 31 |  | **1 X** Air line cutter | 32 |  | **2 X** Power battery | 33 |  | **15 X** Zip tie (190*5) |
| 34 | MAXSPEEDINGRODS | | | | **1 X** Car sticker | | | |

# PRE-INSTALLATION NOTICE

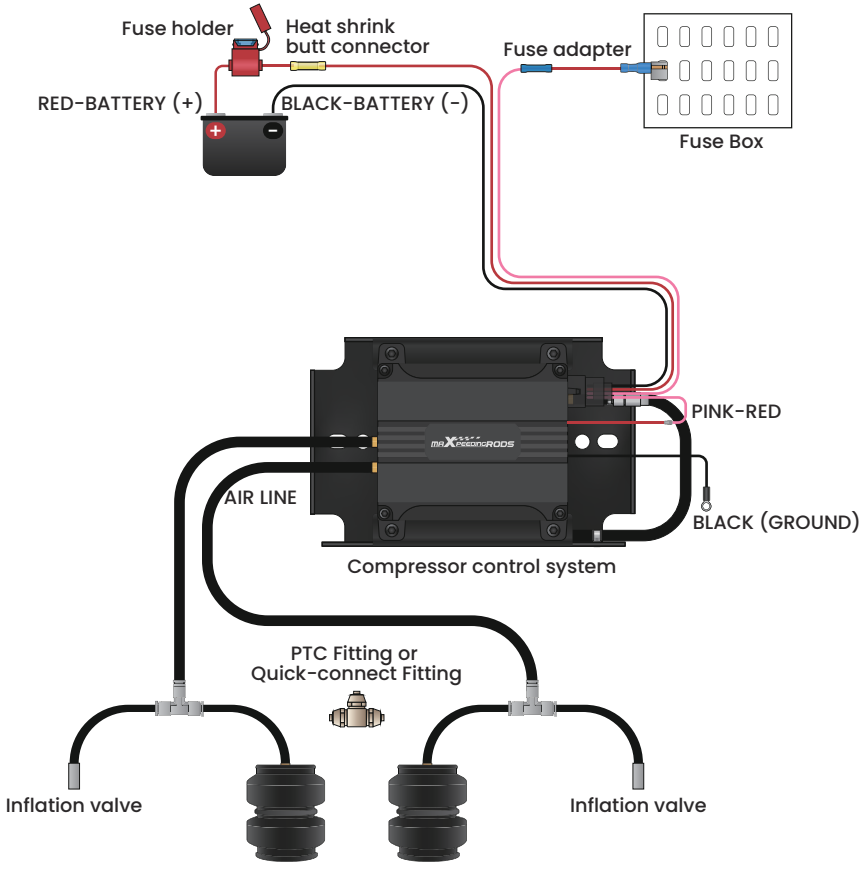
- This product will not increase the load capacity of your vehicle.
- Do not exceed the manufacturer's recommended weight limit.
- The installation process may require drilling, professional installation is recommended to ensure personal safety.
- All modifications must be installed by qualified personnel.
- You confirm that you fully understand the risks that may arise from the use of this product, and voluntarily assume all consequences and legal responsibilities arising from the use of this product. You should ensure that the vehicle after installing this product complies with relevant national and local laws and regulations, and limit the use of this product to specific scenarios permitted by laws and regulations.
- It is recommended that this product be used in compliance with local traffic regulations and vehicle safety standards. Installation and commissioning must be performed by professional technicians. Please consult the original authorized service provider before adjustment to ensure that the operation complies with safety regulations.

# INSTALLATION OVERVIEW

The electronic controller kit allows you to adjust the air springs from inside and outside the cab using a handheld remote controller or smartphone, eliminating the need for wiring and drilling holes in the cab. Moreover, it can be pre-set to meet your needs in different situations. At the same time, it can be used with any brand of air spring bags.
It is important to read and understand the installation before you install it.

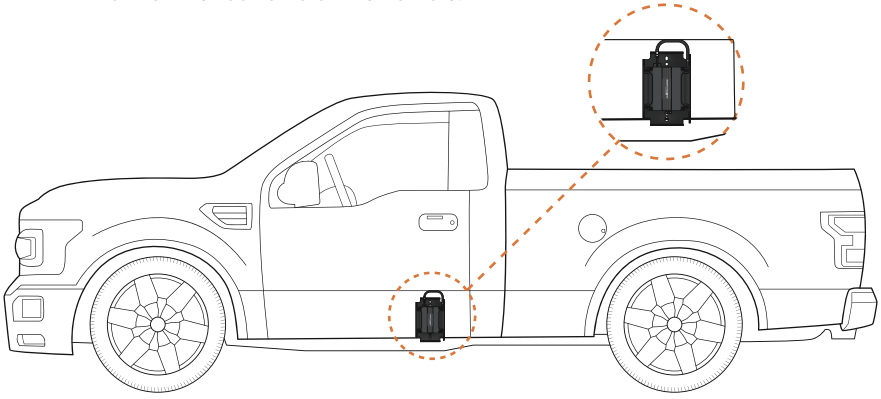


# INSTALLATION DIAGRAM



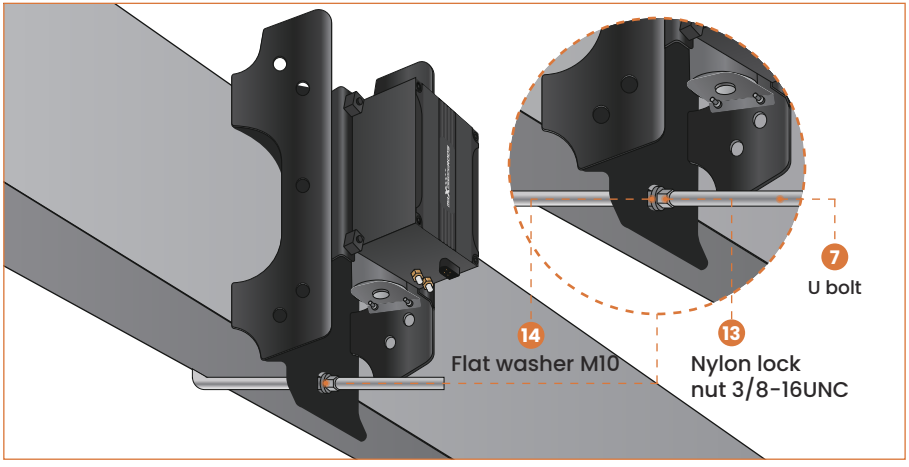
# INSTALLING THE COMPRESSOR ASSEMBLY

- The installation location of the compressor assembly is based on different applications, and the installation location can be selected by yourself. In order to ensure wireless performance, try to install it in front of the rear axle of the vehicle.



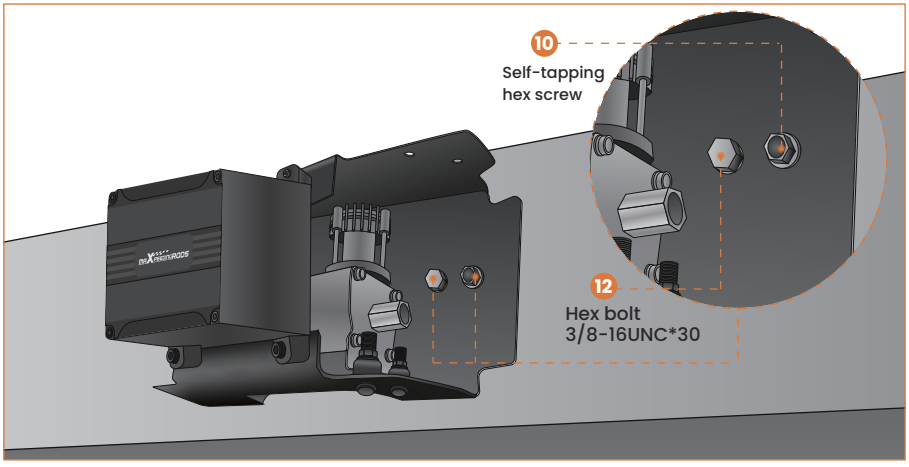
- There are different ways for mounting:

  1. Install the compressor assembly on the frame with a U-bolt (#7), then tighten the nuts with washers (#13, #14).

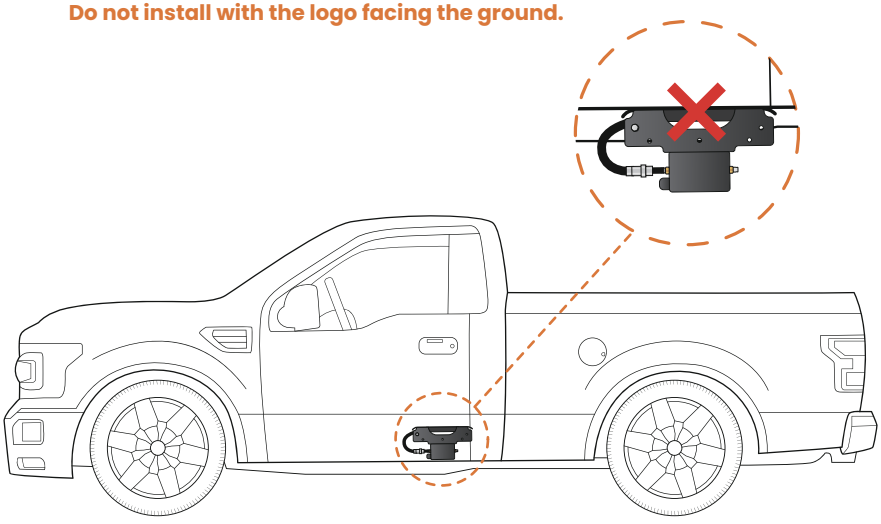


2. Install the compressor assembly to the frame with hex bolts, nuts and washers (#12, #13, #14).

3. Install the compressor assembly to the frame with self-tapping bolts (#10).




**NOTE:**
**Do not install with the logo facing the ground.**

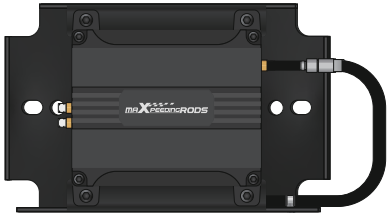


**Do not remove any components from the compressor assembly.**

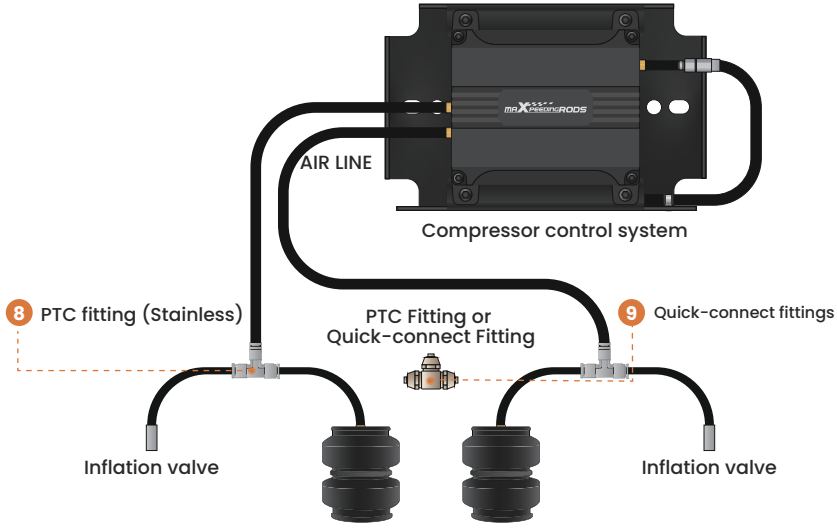
**Before drilling, make sure there are no any components on the back of the frame.**

## INSTALLING THE AIR LINE

1. Connect the compressor hose to the Manifold's air fitting.

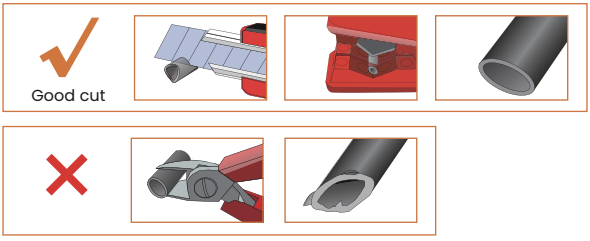


2. Connecting the air line to the air spring bags with Tee fittings (#8) or quick-connect T fittings (#9). The Inflation valves can be installed if manual inflation is necessary.

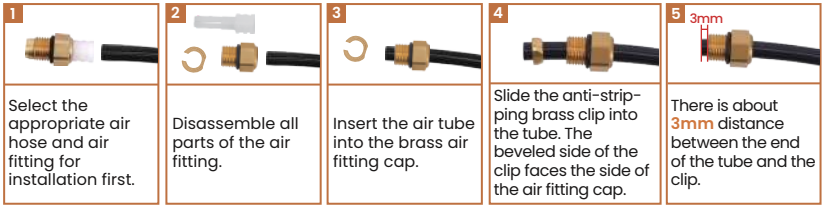


**NOTE:**

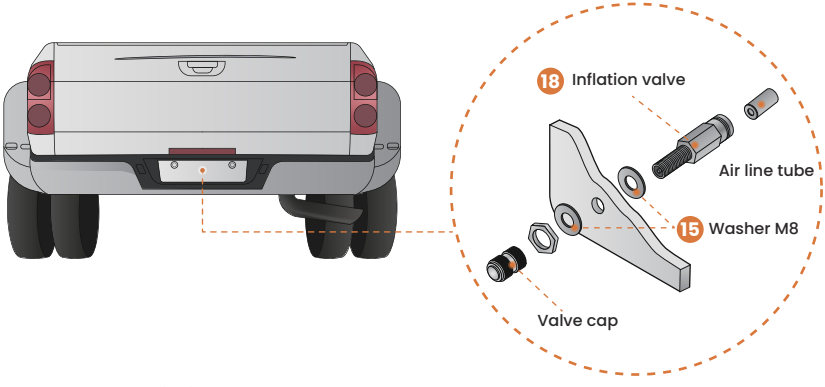
**1. Use only a sharp blade or house cutter to cut the air tube, so that the cut is as square and smooth as possible. If you are using a sharp utility or blade,you must be very careful not to cut yourself during this operation.**




**2. Follow the steps to install the air line onto the manifold.**




**3. Install the inflatable valve in a selected location, usually at the rear of the vehicle. Alternatively, drill a 5/16" hole directly to mount the inflation valve.**

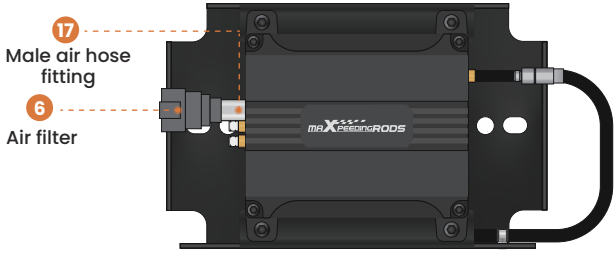



**4.Keep all air lines away from heat sources.**

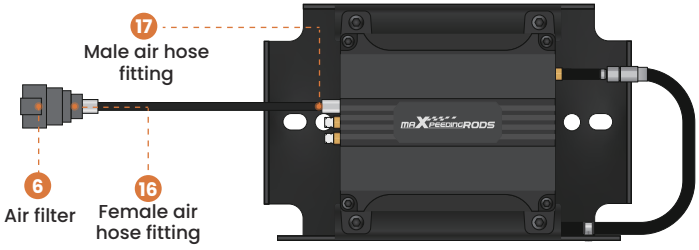
# INSTALLING THE AIR FILTER

There are two different ways for mounting:

1. Remove the red dust plug on the compressor. Then install the air filter (#6) directly on the compressor.




2. Connect the compressor and the air filter with an air line by an air line connector. Depending on the vehicle model, the air filter can be placed in a dry and dust-free place.

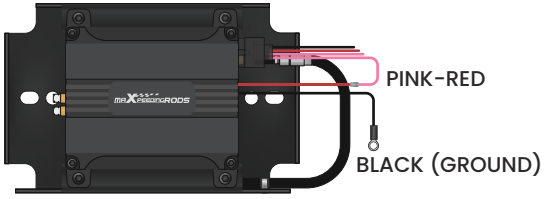



# CONNECTING ALL THE WIRING HARNESSES

- **Keep all wires away from heat sources.**
- **To keep the voltage within the standard range, do not extend the wires.**
- **Use the PP flame retardant tube (#5) to protect the wiring harness from damage. (Optional)**

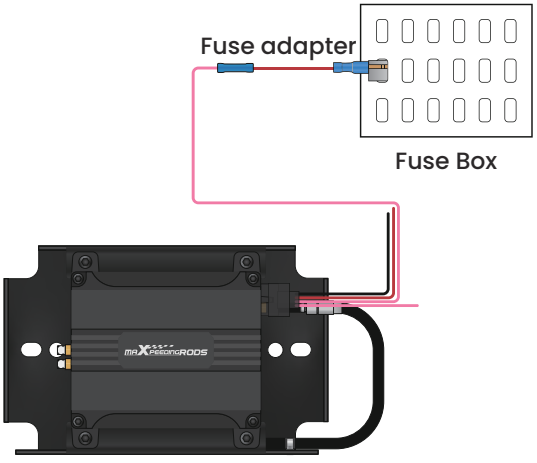
1. Plug the wiring harness(#3)onto the Manifold. Then run the wiring harness along the frame to the engine bay.

2. Connect the short pink wire to the red wire from the compressor by the heat shrink connector(#21). Also install the black wire to ground, drill a hole in the frame with the small self-tapping hex screw(#22), and tighten it.



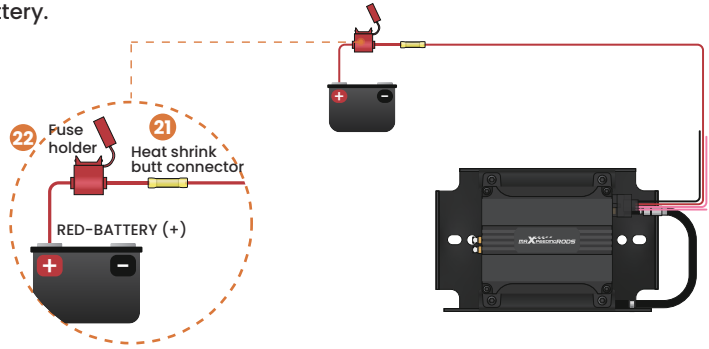

**NOTE:**
**The ground wire can also be fixed with a cross head screw (#29).**

3. Connect the pink end of the wiring harness to the fuse box by 10A fuse adapter.

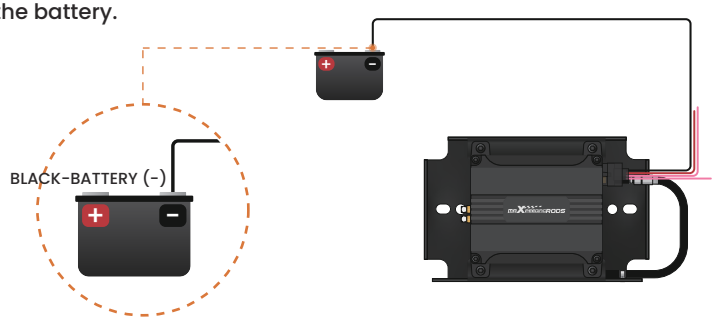



**NOTE:**
**Please choose the appropriate fuse adapter and blade fuse according to your vehicle model.**

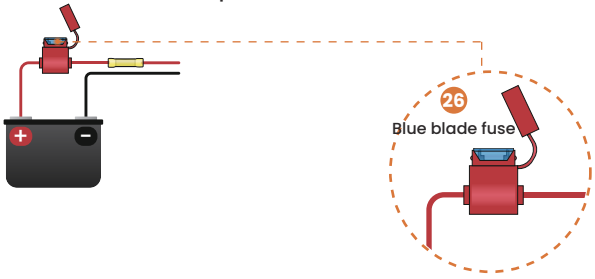
4. Cut off the fuse holder (#22) and connect one end to the red end of the wiring harness. The other end connects to the positive terminal of the battery.




5. Connect the black end of the wiring harness to the negative terminal of the battery.




6. Finally, put the fuse and battery covers on. And install the blade fuse after all connections are completed.




## INSTALLATION COMPLETED

1. Secure wiring harnesses and air lines with tree clips (#30) and zip ties (#33) to prevent from falling.

2. For detailed remote control and APP operations, please refer to the User Guide.

MAXPEEDINGRODS

Since 2006